

Notice of Allowability

Application No.

09/523,066

Applicant(s)

TULLY ET AL.

Examiner

BJ Forman

Art Unit

1634

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to papers filed 22 February 2005 and Interview of 5 May 2005.
2. ☒ The allowed claim(s) is/are 1-13 and 15-26.
3. ☒ The drawings filed on 10 March 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

**BJ FORMAN, PH.D.
PRIMARY EXAMINER**

RD

STATUS OF THE CLAIMS

This action is in response to papers filed 22 February 2005 in which claims 1, 11, 16 and 24 were amended. The amendments have been thoroughly reviewed and entered.

The previous rejections in the Office Action dated 20 August 2004 under 35 U.S.C. 112, second paragraph are withdrawn in view of the amendments. The previous rejections in the under 35 U.S.C. 112, first paragraph are withdrawn in view Applicant's comments on pages 11-12 of the response. The previous rejections in the Office Action of 10 April 2002 under 35 U.S.C. 103(a) are withdrawn in view Applicant's comments on page 11 of the Appeal Brief filed 17 October 2003.

The Examiner's Amendments below in combination with comments and amendments as detailed above place the pending claims in condition for allowance.

Claims 1-13 and 15-26 are in condition for allowance.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Anne Collins on 9 May 2005.

In claim 1, step (d), line 2, before "animals", insert --- non-human --- .

In claim 1, step (d), line 5, after "said labeled", insert --- cDNA ---.

In claim 1, step (d), line 5, delete "of said probes".

Art Unit: 1634

In claim 1, step (i), line 4, before "control animals", insert --- non-human --- .

In claim 1, step (ii), line 1, before "control animals", insert --- non-human --- .

In claim 1, step (iv), line 5, after "said labeled", insert --- cDNA ---.

In claim 1, step (iv), line 6, delete "of said probes".

In claim 11, step (d), line 5, after "said labeled", insert --- cDNA ---.

In claim 11, step (d), line 5, delete "of said probes".

In claim 11, step (d), line 3, before "cDNA" insert --- labeled --- .

In claim 11, step (iv), line 5, after "said labeled", insert --- cDNA ---.

In claim 11, step (iv), line 6, delete "of said probes".

In claim 16, step (d), line 5, after "said labeled", insert --- cDNA ---.

In claim 16, step (d), line 5, delete "of said probes".

In claim 16, step (iii), line 5, after "from said", insert --- labeled cDNA ---.

In claim 16, step (iii), lines 5-6, delete "of said probes".

In claim 24, step (d), line 3, after "said labeled", insert --- cDNA ---.

In claim 24, step (d), line 3, delete "of said probes".

In claim 24, step (iii), line , after "of said", insert --- labeled cDNA ---.

Conclusion

Claims 1-13 and 15-26 are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BJ Forman whose telephone number is (571) 272-0741. The examiner can normally be reached on 6:00 TO 3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gary Jones can be reached on (571) 272-0745. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.


Art Unit: 1634

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to (571) 272-0547.

Patent applicants with problems or questions regarding electronic images that can be viewed in the Patent Application Information Retrieval system (PAIR) can now contact the USPTO's Patent Electronic Business Center (Patent EBC) for assistance. Representatives are available to answer your questions daily from 6 am to midnight (EST). The toll free number is (866) 217-9197. When calling please have your application serial or patent number, the type of document you are having an image problem with, the number of pages and the specific nature of the problem. The Patent Electronic Business Center will notify applicants of the resolution of the problem within 5-7 business days. Applicants can also check PAIR to confirm that the problem has been corrected. The USPTO's Patent Electronic Business Center is a complete service center supporting all patent business on the Internet. The USPTO's PAIR system provides Internet-based access to patent application status and history information. It also enables applicants to view the scanned images of their own application file folder(s) as well as general patent information available to the public.

For all other customer support, please call the USPTO Call Center (UCC) at 800-786-9199.


BJ Forman, Ph.D.
Primary Examiner
Art Unit: 1634
May 10, 2005